

Food Collection & Composting On Military Bases

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Food Collection & Composting

◆ Why Food Diversion ?

- Food scraps makes up 14-17% of the waste stream
- Easily diverted and recycled into a value added product – humus
- Waxed cardboard and contaminated paper could also be composted
- Humus can be used to replace chemical fertilizers and mulch
- Currently, only about 3% of all food waste is being diverted from landfills
 1. Feed the hungry
 2. Animal feed
 3. Compost

Food Collection & Composting

◆ Food Waste Generation on Military Bases

- Approximately 1 Pound per meal of food waste
 - ◆ How many meals are served on your base ?
 - ◆ What is your disposal cost ? By the ton ?

Food Collection & Composting



Food Collection & Composting

◆ Collection

◆ Prep, Serving and Eating areas

- Education – Train staff and diners
- Signage (What can and cannot be collected)
- Biodegradable products (procurement)
 - ◆ Utensils, plates, cups, trays and paper products
 - ◆ Collection garbage bags

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◆ Transportation



Food Collection & Composting

◆ Transportation

◆ Pulped food waste

- Pumped to dumpster
- Manually dumped

◆ 20-30 Gallon collection container

- Manually or mechanically dumped

Food Collection & Composting



Composting

◆ Special Collection Trucks to handle food waste



Food Collection & Composting

◆ Compost Facilities

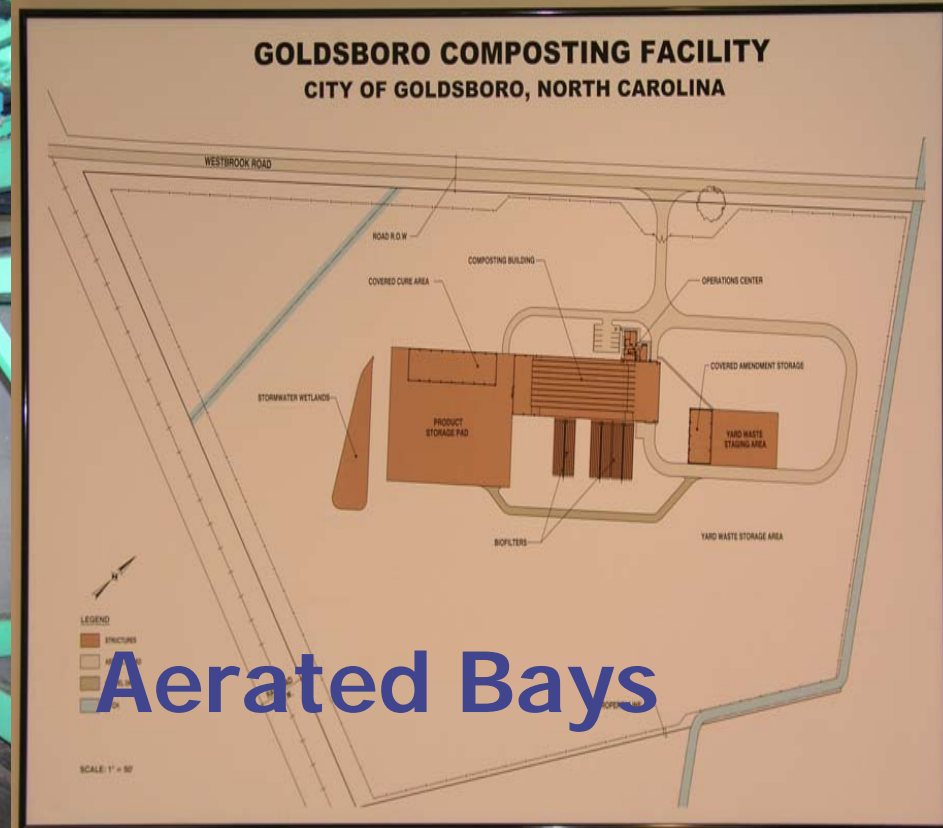
Large Scale Aerated windrow



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Facilities



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In vessel System



Wright Environmental

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Biofilter



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◆ On-site Composting

• Greendrum



Food Collection & Composting

◆ On-site Composting



Composting

- Vermitech System



Composting

◆ Please plan on attending the:
Carolina Recycling Association
15th Annual Conference & Trade Show
March 21-23, 2005
Myrtle Beach, SC
(Carolina Compost Council)